

Claims

[c1]

1. A digital computer system for displaying of computer information in a page-like format, comprising:
 - (A) a computer processor;
 - (B) a computer memory electrically connected to said computer processor;
 - (C) a means for receiving a document into said computer memory;
 - (D) a document converter for converting said received document into a page view format;
 - (E) a page turner for animating a page object such that said page object appears to turn in a paper like manner so as to present a new page object; and
 - (F) a computer display for displaying said page object and said new page object.

[c2]

2. A digital computer system as recited in claim 1, further comprising user controls in communication with said processor for controlling said display of said page object.

[c3]

3. A digital computer system as recited in claim 2, wherein said user controls are selected from the group consisting of: a keyboard input device, a mouse input device, a touch screen input device, a track ball input device, a soft button displayable on said computer display, and a sound input device.

[c4]

4. A digital computer system as recited in claim 1, wherein said means for receiving a document is selected from the group consisting of: a computer network data source, a CD-ROM device, a magnetic media storage device and an electronic memory storage device.

[c5]

5. A digital computer system as recited in claim 1, wherein said document converter further comprises an HTML to XML format.

[c6]

6. A digital computer system as recited in claim 1, wherein said page object further comprises a wireframe object having a bit-map fixed thereto.

[c7]

7. A digital computer system as recited in claim 6, wherein said bit-map is a bit map of a section of said received document.

[c8]

8. A digital computer system as recited in claim 1, wherein said page-turner further comprises a means for presenting a curled page in said computer display.

[c9]

9. A digital computer system as recited in claim 1, further comprising a means for maintaining hyperlinks in said received document.

[c10]

10. A digital computer system as recited in claim 1, further comprising a means for copying information from said page object to said computer memory.

[c11]

11. A method of displaying computer information in a page-like format, comprising the steps of:

(A) loading a document from a document source;

(B) converting said loaded document to a page view format;

(C) displaying said converted document on a computer display device;

(D) enabling user controls of said displayed document; and

(E) turning pages of said displayed document under control of said enabled user controls.

[c12]

12. A method of displaying computer information, as recited in claim 11, further comprising copying information from said displayed document to a computer memory device.

[c13]

13. A method of displaying computer information, as recited in claim 11, wherein said loading a document further comprises:

- (1) receiving a document from a digital computer source;
- (2) identifying said document as a document for page viewing;
- (3) parsing said document identified for page viewing; and
- (4) storing said parsed document in a computer memory device.

[c14]

14. A method of displaying computer information, as recited in claim 13, wherein said digital computer source is an Internet data source.

[c15]

15. A method of displaying computer information, as recited in claim 11, wherein said turning pages of said displayed document further comprises:

- (1) creating a wireframe object;
- (2) creating a bit-map from said received document;
- (3) fixing said bit-map to said wireframe object; and
- (4) animating said wireframe object, having said bit-map fixed thereto such that said animation turns said wireframe object.

[c16]

16. A method of displaying computer information, as recited in claim 15, wherein said creating a bit-map further comprises a bit map of information from said received document.

[c17]

17. A process for creating a page-like display format for computer information, comprising:

- (A) receiving a document from a source;
- (B) performing a software function on said received document, wherein said software function converts said received document to an alternative format;

(C) performing an operating system function on said alternative format document, wherein said operating system function captures text and formats said captured text into a page view format; and

(D) executing a program to turn said page view formatted text.

[c18]

18. A digital computer system, for displaying text, charts and images in a book-like display format, comprising:

(A) a computer processor having both random access memory and a mass storage device;

(B) a video display card, having a graphic processor, in electronic communication with said computer processor;

(C) an operating system, executed on said computer processor, said operating system being capable of managing a graphics user interface;

(D) a computer program being executed on said computer processor, wherein said computer program presents information in a display format which provides for the turning of pages of displayed information in a standard book-like format; and

(E) a high-resolution computer display device having sufficient display resolution to display a two-printed page graphic image in such a manner as headings and format are readable to a user, said high-resolution computer display in communication with said processor.

[c19]

19. A digital computer system, for displaying text, charts and images in a book-like display format, as recited in claim 18, wherein said computer program further comprises: calculating the spatial information relationships between adjacent and back-to-back pages for the display in a standard book or magazine format as the pages are turned upon user command.

[c20]

20. A digital computer system, for displaying text, charts and images in a book-like display format, as recited in claim 18, wherein said computer program operates to preserve the spatial relationship of one or more aspects of a document.

[c21]

21. A digital computer system, for displaying text, charts and images in a book-like display format, as recited in claim 18, wherein said computer program further provides the user access to said information spatial relationships, by recording said spatial relationships in a database.

[c22]

22. A digital computer system, for displaying text, charts and images in a book-like display format, as recited in claim 18, wherein said computer program further calculates a three-dimensional representation of said information as pages are turned and incrementally reveals additional information as said pages are turned.